



Audiobahn®

ABB101J / ABB121J
OWNER'S MANUAL



PLEASE READ THIS MANUAL
BEFORE OPERATING THIS UNIT.
RETAIN FOR FUTURE REFERENCE.

The Audiobahn Way

To bring the product to market that excites the consumer through sound and vision from an orientation of integrity and customer service. We make you look as good as you sound. We strive to take car audio to an extreme the world has never seen, and a world that never stops evolving.

Audiobahn was established in 1997 with one long-term goal in mind, "Build it Bigger, Badder, & Better, and the people will take notice!" We back this statement with an engineering team that has brought home several Innovations, Design & Engineering Showcase Awards, and a marketing team from around the world that spends countless hours developing our no compromise products to satisfy the most discriminating enthusiasts.

Our global manufacturing facilities feature ISO9002 ratings (the highest level of quality control awarded in the electronics manufacturing industry), fully robotic assembly lines and a state of the art, California based R & D laboratory.

Our Technical Department and entire staff look to strive above and beyond the rest of the pack by going that extra mile to help you out. Whether you happen to be a veteran competitor, or a beginner car audio enthusiast who does not know a voice coil from a spider. We are all her to help you get the best system you can with what you have.

Judge for yourself, and remember what it's all about, "If it's not Bigger, Badder & Better, it's not Audiobahn." If audio is your life, Audiobahn is the brand for you! We make you look as good as you sound. People never stop trying to get the best product, so we will never stop making it.

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Getting Started

Welcome to Audiobahn Inc.. This manual has been designed to provide information for the owner, salesperson, and installer. For those of you who want quick information on how to install this product, please turn to the installation section of this manual. Other information can be located by using the table of contents. We at Audiobahn have worked very hard to make sure that all of the information in this manual is current, but, as we are constantly finding new ways to improve our product, this information is subject to change without notice. All updated information can be found on our web page in the technical support section.

Dear Customer,

Congratulations on your purchase of the worlds finest brand of car audio products. Here at Audiobahn Inc. we are devoted to making our musical reproduction the vert best, and we are pleased you have chosen our product. Through years of engineering expertise, hand craftsmanship, and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your Audiobahn product installed by an Authorized Audiobahn Dealer, as we provide specialized training through our Audiobahn Installer Training Programs. Please read your warranty, keep your receipt, and original carton for possible future use.

To get a free brochure on Audiobahn products in the US call (714) 452-1476 or e-mail us at sales@audiobahn.com.

WARNING

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered autosound systems may produce sound pressure levels well over 135dB. Need we say more! Use common sense.

If after reading this manual you still have questions regarding your product, we recommend that you see your nearest Audiobahn Dealer. A list of Authorized Audiobahn Dealers can be found on our web page. If you need further assistance, feel free to call us at (714) 452-1476 and ask for the Technical Department. Be sure to have the model number, date of purchase, and invoice number available when you call.

The model number can be located on the outside of the carton. Record this in the space provided below along with the date of purchase. It is a good idea to keep your receipt with this as you will need it in the case of needing a warranty, repair service or exchange.

Date of Purchase: _____ Model Number: _____

**ABB101J Dual 10"
Ported Bass System**

High Quality MDF Construction

Black Carpeted Covering

Extended Low Frequency Slotted Ports

Audiobahn Embroidery

10" High-Strength, Glossy Graphite Composite Cone

Tall, Narrower Surround for Increased Cone Surface Area and Efficiency

45 oz. Strontium Magnet

2" 4 Layer Voice Coil

Bumped Back Plate

Extended & Vented Pole Piece

Gold Binding Post Terminals

Power Handling: 300 Watts RMS

Sensitivity: 93dB

Frequency Response: 29Hz-1kHz

Impedance: 4 Ohm Mono

Dimensions:
14 7/8"(H) x 17 3/4"(W) x 9 7/8"(D)

**ABB121J Single 12"
Ported Bass System**

High Quality MDF Construction

Black Carpeted Covering

Extended Low Frequency Slotted Ports

Audiobahn Embroidery

12" High-Strength, Glossy Graphite Composite Cone

Tall, Narrower Surround for Increased Cone Surface Area and Efficiency

45 oz. Strontium Magnet

2" 4 Layer Voice Coil

Bumped Back Plate

Extended & Vented Pole Piece

Gold Binding Post Terminals

Power Handling: 400 Watts RMS

Sensitivity: 94.5dB

Frequency Response: 25Hz-1kHz

Impedance: 4 Ohm Mono

Dimensions:
16 1/8"(H) x 20 1/8"(W) x 9 7/8"(D)



The box can be wired in 1) a stereo configuration (each sub wired to a different channel) or 2) a mono configuration (both subs wired together to a single channel of an amp, or two bridged channels of an amp). Looking at the back of the box you will see each side's terminals. The left terminal is negative (-) and the right terminal is positive (+) for each set. If wiring in stereo mode, you will have a 4 ohm stereo load. If you wire the subs together in mono mode, you will see a 2 ohm load if wiring in parallel, and an 8 ohm load if wiring in series. Please see the Tech Tips section of this manual for wiring diagrams.

After determining the best mounting position, check carefully in the areas where you have positioned the enclosure. Make sure that you position the enclosure in an area where you will be able to mount the unit. If there are no supplied hardware available, please use some other means of mounting the enclosure to the vehicle.

WARNING

TO AVOID POTENTIAL INJURY FROM MOVEMENT OF THE ENCLOSURE DURING AGGRESSIVE VEHICLE MANEUVERS (ACCELERATION, STOPS AND ACCIDENTS), THE ENCLOSURE MUST BE PROPERLY INSTALLED AND SECURELY FASTENED TO THE VEHICLE.



If you start having problems with distorted sound or loss of performance after installing your box in your empty enclosure, you can follow the instructions below to try and locate what is causing the problem.

- 1) If you have any distorted sound, loss of performance, or rattling from your subs after you install your box, check the connections running from your amplifier or other processor to the box. You will also want to check the connections inside the box to make sure no wires have become unhooked or are loose.
- 2) If the above does not solve the problem, check your enclosure thoroughly to see if there are any leaks, cracks, or broken pieces. Make sure the plexiglass is securely fastened. Any loss of structural integrity of your enclosure can cause significant performance loss and distortion.
- 3) The next step you can take is to remove the subs and look for any burned wire leads or separated components. Sometimes when you play subs too hard for too long, they will start to heat up.
- 4) If none of the above steps solve the problem, you will want to start looking at the other components in the vehicle. Start by checking all connections to and from the box, amplifier, source unit, or any other processors you may be using. You will need to reference to that particular manufacturer for any setting configurations or troubleshooting.

Investigate the layout of your automobile thoroughly before drilling or cutting any holes. Take care when you work near gas tanks, gas lines, hydraulic lines, and electrical wiring. Do not use the power amplifier unmounted. Attach the system securely to the automobile to prevent damage, particularly in the event of an accident. Do not mount the system so that the wire connections are unprotected or are subject to pinching or damage from nearby objects.

The +12V DC power wire must be fused at the battery positive terminal connection. Before making or breaking power connections at the system power terminals, disconnect the +12V wire at the battery end. Confirm your radio/head unit and/or other equipment is turned off while connecting the input jacks and speaker terminals. If you need to replace the power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of a different type or rating may result in damage to this system which is not covered by the warranty.

Disclaimer

Specifications are subject to change without notice.
For the most updated Specifications call Audiobahn,
your local Authorized Audiobahn Dealer,
or check the Audiobahn web site.
www.audiobahn.com

Audiobahn Consumer Product Warranty Policy

Audiobahn products are manufactured with the highest quality components and some of the most advanced technology available. Because of this we recommend that you have your new products installed by an **Authorized Audiobahn Dealer**. (A list of Authorized Audiobahn Dealers can be found on our web page).

Warranty Period: One year from the original date of purchase.

Warranty Coverage: This warranty covers manufacturer defects only. The warranty is applicable to the original purchaser, and is non-transferable. You must provide a receipt from an **Authorized Audiobahn Dealer** that shows the location of purchase, price paid, and date of purchase.

(Products purchased by consumers from an **Authorized Audiobahn Dealer** outside the United States are covered only by the Distributor of that specific country and are not covered by **Audiobahn**).

NOTES:

Complete subwoofer enclosures (**Audiobahn** will replace defective subwoofers, plexiglass, or neon only. Do not send the entire enclosure, unless the enclosure is defective itself. You must receive prior authorization and an RA# before sending in any complete enclosure).

AUDIOBAHN DOES NOT WARRANTY ANY PRODUCTS NOT PURCHASED THROUGH AN AUTHORIZED DEALER.

(A list of Authorized Audiobahn Dealers can be found on our web page).

AUDIOBAHN WARRANTIES DO NOT COVER THE FOLLOWING:

- Any product not purchased from an **Authorized Audiobahn Dealer** (including Internet dealers)
- Damage caused by abuse, misuse, accident, water / flood, or theft (including any cosmetic damage to the body of the product)
- Damage caused by improper installation
- Any cost or expense related to removal or reinstallation
- Any unauthorized services
- Any product that has the serial number removed, altered, or defaced
- Subsequent damage to any other components
- Pinched, cut, or stripped wires / terminals
- Any product that is new, and/or found to be in working condition
- L.E.D. indicators on electronics (**Audiobahn** will only replace L.E.D.(s) found to be defective at the time of purchase)

How to receive warranty service: Contact your local **Authorized Audiobahn Dealer**, or call **Audiobahn** at **(714) 452.1476** between the hours of 9:00AM and 5:00PM PST.

If you are having problems with your system, we recommend you check the product carefully and thoroughly to confirm that the product truly has a manufacturer defect; as opposed to abuse, or other components in the system caused the failure. This might include having an **Authorized Audiobahn Dealer** look at the product to confirm the source of the problem. Any product found to have a manufacturer defect will be replaced with a new piece of the same or similar model, or repaired at the discretion of **Audiobahn**. Any product found to have no manufacturer defect will be returned to the sender at their cost.

You must acquire a Return Authorization Number (#) prior to returning ANY product to Audiobahn. That Return Authorization Number (RA#) must be prominently and clearly marked on the outside of the shipping carton, or product delivery will be refused (no exceptions will be made).

Please note: All shipping and handling (to and from) charges will be the sole responsibility of the consumer.

Please record and keep your Return Authorization Number (RA#) in the event that further communication is required.

Return Authorization Number (RA#):

Date product was sent:

Contact Information

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